

Title (en)  
ULTRA-HARD ABRASIVE PARTICLES

Publication  
**EP 0537976 A3 19931013 (EN)**

Application  
**EP 92309298 A 19921013**

Priority  
ZA 918165 A 19911014

Abstract (en)  
[origin: EP0537976A2] A synthetic diamond or cubic boron nitride particle is characterised by containing two or more stable isotopes of an element present in a ratio which is different to the ratio in which the isotopes exist in nature. The diamond or cubic boron nitride particle thus has a fingerprint. A preferred example of the element is nitrogen.

IPC 1-7  
**C09K 3/14**

IPC 8 full level  
**B01J 3/06** (2006.01); **B82B 1/00** (2006.01); **C09K 3/14** (2006.01)

CPC (source: EP KR US)  
**B01J 3/062** (2013.01 - EP US); **C01B 32/25** (2017.07 - KR); **C09K 3/1409** (2013.01 - EP US); **B01J 2203/061** (2013.01 - EP US); **B01J 2203/062** (2013.01 - EP US); **B01J 2203/0645** (2013.01 - EP US); **B01J 2203/0655** (2013.01 - EP US); **B01J 2203/066** (2013.01 - EP US); **B01J 2203/068** (2013.01 - EP US); **Y10T 428/2991** (2015.01 - EP US); **Y10T 428/30** (2015.01 - EP US)

Citation (search report)  
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• [Y] Database INSPEC Institute of Electrical Engineers, GB Klyuev et al. INSPEC nr. 803670  
• [A] JETP LETTERS vol. 14, no. 10, 1971, USA pages 551 - 553 SAMOILOVITCH 'ELECTRON PARAMAGNETIC RESONANCE OF NICKEL IN SYNTHETIC DIAMOND'  
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DOCDB simple family (publication)  
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